

ABSTRACT**Pumped laser and optimized lasing medium**

Sub
AO

Longitudinally pumped laser comprising one or more active lasing
5 media arranged in an optical cavity and at least one pumping means (4)
emitting at least one pumping beam toward the active lasing medium or
media (3), means (5) for the coupling of the pumped beam or beams with the
active medium, characterized in that at least one of the active lasing media
comprises one or more non-homogeneously doped zones (8) and in that the
10 dimension of said doped zones (8) and/or the distribution of the dopants is
chosen on the basis of the desired transverse mode of the laser cavity..

Use of the laser as an amplifier

Figure 2 to be published.

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